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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/073,212
Confirmation Number	4798
Filing Date	February 13, 2002
First Named Inventor	Kojiro HAMABE
Art Unit	2681
Examiner Name	Unknown
Attorney Docket Number	O68508

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**Examiner Signature**

**Date Considered**

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.



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Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>3</sup> (if known)		
		US			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>4</sup>
		Country Code <sup>2</sup>	Number <sup>4</sup>	Kind Code <sup>3</sup> (if known)			
AS		WO	98/48575	A2	10-29-1998		No
AS		WO	01/05066	A1	01-18-2001		No

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>4</sup>

Examiner Signature

Alan Gant

Date Considered

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AS		JP	2991185		10/15/1999		
AS		JP	3047393		03/24/2000		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
AS		T. Ohgane et al., Adaptive Array and Mobile Communication (II), The Institute of Electronics, Information and Communication Engineers Journal, Vol. 82, No. 1, January 1999, pp. 55-61.	
AS		T. Ohgane et al., Adaptive Array and Mobile Communication (IV), The Institute of Electronics, Information and Communication Engineers Journal, Vol. 82, No. 3, March 1999, pp. 264-271.	

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